T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

BR No 331 / 30-8-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. 1st and final Bill

Name of Work Improvement to Road from To Nagappa Circle 249646

Name of Contractor or nature of Agency KREDL

Date of commencement of work D.O. Received 30/8/2014 Earthwork in road work

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost	Rs. 40.00 Lakh.					
	DB. No	: 009-14-00 0032.					
	Work order no	: EE(BTP) / KREDL / WO / 444 / 2013-14-D. 21/2/14					
	Date of commencement	: 22-2-2014					
	Date of completion	: 25-08-2014					
(1)	Earthwork excavation by manual means in hard soil including an average horizontal throw upto 2m and an average lift upto 0.3m, Excavated surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	levelled and sides neatly dressed, the disposed earth to be levelled neatly after treating slope completely per specifications and direction of Engineer-in-charge of work.						
						Qty vide item 3 1958 p 195776	
						It no. (1) 418.00 m³	
						@90.72/- 37924.00	
(2)	Providing and laying in position plain cement concrete of mix. M.7.5 With ope cement @ 180 kg using 40 mm and down size graded granite metal, coarse aggregate @ 0.85 m³ and fine aggregate @ 0.48 m³ machine mixed concrete laid in layers not exceeding 15 cms						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	well compacted in all materials, labour etc complete as per in-charge of work.	
3)	Providing and removing, and removal of form on walls at any	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
th disposed Earth			
Work complete by			
Engineer-in-charge			
e Items 1958 p 195776			
① 418.00 m³			
@ 90.72/m		37924.00	
ncrete Concrete of			
using 40 mm			
d, Coarse aggregate			
m³ Machine			
ready Items			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249647

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	well compacted for foundations and plinth, including cost of all materials, labour, hiring of machinery, curing etc complete as per specifications and directions of Engineer in-charge of work.						
	Qty as per M.B. 1958 p. 195776						
	Item No. (21) = 16.500 m³ @ 4290.84/m					70799.00	
3)	Forming and removing, including centering, shuttering, propping etc and removal of form work for vertical surfaces such as walls of any thickness, including attached pilasters						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ
ಬ. ಬೆಂ ಮ ಸಾ. ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Surfacing granular base with cut backs - M.C.70. over any other bitumen mixed with Diesel at 13 kg/100 cum heated in bitumen boiler fitted with spray set including costing all materials, labour, use of machineries etc complete as per specifications and directions by Engineer-in-charge of work.						
	Qty as per Tst no. ⑨ = 2970.40 m²						
	@ ₹142.07/m² 421948.00						
11)	Providing and laying bituminous concrete using hot mix plant with 100-120 TPH. batch type hot mix plant producing an average output of 75 t/hr using crushed aggregates of specified gradings premixed with bituminous binder at						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	5.4 to 5.6 kg. of mix and hot mix to ~~wall~~ site tandem Roller to ach morth specification. respect as per spec 509, with bitumen cation and direction
	Vendor's Quarry Main Road
	from Dwarka Choudhary

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ele - m.c.70. orary			
13kg/10sqm heated in			
including costing			
rks etc complete as			
r- In charge of work.			
per Lt No. (9) = 2970.40sq.m			
@142.07/sq.m 421948.80			
Loomy trade with			
nt producing an			
rushed aggregate of			
ommon binder at			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....249653

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	5.4 to 5.6 sq.m. of mixed and ~~hot mixed to road site~~ tandem Roller to achieve the desire compactness as per morth specification. Clause no. 500.9 complete in all respect as per specifications, morth specification no. 509, With bitumen 80/100, etc complete as per instruction and directions of Engineer-In-Charge of work.						
	Vembatheswaraopuram Main Road						
	from Dwarka Choultry						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	To ICE Boffice Road (from 0.0 to 405.00 m)				Dmg		
	Ch. 0.0.0 to 30.00 m	1	30.00	$\frac{7.2+7.6}{2}$	0.04	= 8.88	
	" 30.0 to 60.0 m	1	30.00	$\frac{7.4+7.35}{2}$	0.04	= 8.97	
	" 60.0 to 90.0 m	1	30.00	$\frac{7.4+7.35}{2}$	0.04	= 8.85	
	" 90.00 to 120.0 m	1	30.00	$\frac{7.4+7.8}{2}$	0.04	= 9.12	
	" 120.0 to 150.00 m	1	30.00	$\frac{7.8+7.2}{2}$	0.04	= 9.00	
	" 150.0 to 180.00 m	1	30.00	$\frac{7.2+7.0}{2}$	0.04	= 8.52	
	180.0 to 210.0 m	1	30.00	$\frac{7.0+7.2}{2}$	0.04	= 8.52	
	210.0 to 240.0 m	1	30.00	$\frac{7.2+7.35}{2}$	0.04	= 8.73	
	240.0 to 270.00 m	1	30.00	$\frac{7.35+7.4}{2}$	0.04	= 8.85	

CC Fc
30/8/14

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Ch. 270.00 to 300.00 m	1
	300.0 to 330.00 m	
	330.0 to 360.00	
	360.0 to 390.00 m	
	390.00 to 405.00 m	

EMENT BOOK

Dimensions			Contents	Reference to last Measureme
Length 4	Breadth 5	Depth 6	7	8
		Dng		
0.00	7.2+7.6 / 2	0.04 =	8.88	
0.00	7.4+7.35 / 2	0.04	8.87	
00	7.4+7.35 / 2	0.04 =	8.85	
.00	7.4+7.8 / 2	0.04 =	9.12	
.00	7.8+7.2 / 2	0.04 2	9.00	
.00	7.2+7.2 / 2	0.04 =	8.52	
.00	7.0+7.2 / 2	0.04 =	8.52	
.00	7.2+7.35 / 2	0.04 =	8.73	
.00	7.35+7.4 / 2	0.04 =	8.85	

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P 30/8/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....249654
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch. 270.00 to 300.00	1	30.00	7.4+7.28 / 2	0.04	8.79	
	300.00 to 330.00	1	30.00	7.25+7.45 / 2	0.04 =	8.82	
	330.00 to 360.00	1	30.00	7.45+7.3 / 2	0.04 =	8.88	
	360.00 to 390.00	1	30.00	7.3+7.28 / 2	0.04 =	8.73	
	390.00 to 405.00	1	15.00	7.25+6.95 / 2	0.04 =	4.28	
						118.88	
					Total	118.84	
						= 1128.92	

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30/8/2014
S.D. (237.0)

134+648.50

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12)	Land for disposal of debris shall be paid at the rates by mechanical mean. including loading and unloading etc complete as per specification and direction of Engineer in-Charge of work.					Cartage	
						Qty as per Item No 1: 418.00 MT	
						Add 10% 386.524 m³	
						@ 72.71/MT	-28104.00
						Total Rs.	35,71,224.00
(13)	Add KRERA charges @ 1%.						392,834.00
(14)	Add third party inspection charges @ 1%.						35,712.00
							39,768.00

30/08/2024

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3